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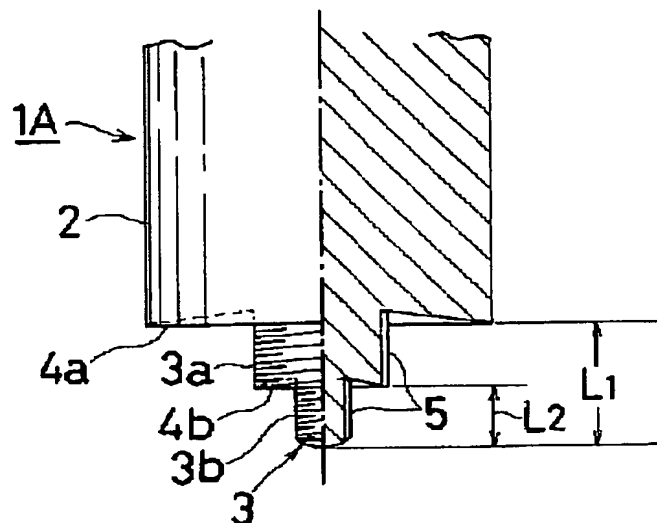
APPLICATION DATE : 25-02-99
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APPLICANT : SHOWA ALUM CORP;

INVENTOR : HATTORI MITSUO;

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TITLE : TOOL FOR FRICTION AGITATION
JOINING



ABSTRACT : PROBLEM TO BE SOLVED: To provide a tool for friction agitation welding capable of joining plural kinds of materials to be joined having a different thickness of parts to be joined and securing stabilized/good joining quality in joining thick materials.

SOLUTION: In a tool 1A for friction agitation welding to join materials to be joined by coaxially protruding a probe 3 to the tip of a shaft like base body 2 mounted to a rotary drive part, embedding the probe 3 into the materials to be joined while rotating and relatively moving. The probe 3 is constituted so that a tip side is made to a small diameter and plural shaft parts 3a, 3b having different diameters are arranged stepwise.

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